

NUTTY SCIENTISTS

IN YOUR SCHOOL

**LEARNING SCIENCE THROUGH
FUN HANDS-ON
EXPERIMENTATION**





WHO WE ARE

NUTTY SCIENTISTS is a leader in fun educational activities for children from 3 to 16 years old, with more than 135 offices in the world. Every year more than 5 million children participate in our programs.

Since 1996, our mission has been to arouse the curiosity and imagination of children while experiencing hands-on science. This interaction stimulates their interest in science and the environment to clearly see our connection with the world around us.

NUTTY SCIENTISTS OF SOUTHEAST MICHIGAN is led by Kevin Schlosser, a Masters level Organic Chemist with 14 years of experience as a research chemist in the pharmaceutical industry. During that time, he worked with area schools conducting science demos for local students. Those experiences motivated Kevin to start Nutty Scientists here in Michigan in order to inspire the next generation by making science and learning fun and exciting.



HOW WE WORK



Nutty Scientists uses interactive performances in the form of a workshop or show format, during which the children have their own experiences, led by The Nutty Professor and his assistants.

Our workshops and shows are always entertaining, educational and participatory, which allows children to learn while having fun.

We have over 120 workshops and a growing number of shows which introduce children to science (physics, chemistry, biology ...) and also raises awareness on such issues as the environment, sustainable development (water, land, waste, the greenhouse effect) and also life education (hygiene, health and prevention).

Our workshops and shows stimulate the imagination and spirit of the children, arousing their curiosity and fostering an environment where students are encouraged to participate, boosting their self-esteem.

OUR METHODOLOGY

Nutty Scientists uses a unique teaching methodology developed by scientists and supervised by teachers. We encourage experimentation and participating in a very fun, engaging, and exciting setting. This fun and child-centered approach gives the child a practical and authentic experience, which has been proven to enhance their learning and retention of important information.

As Confucius said:

"I was told and I forgot,
I saw and I understood,
I did and I learned"





KNOWLEDGE AREAS



Sciences



Technology & Engineering



Robotics



Health & Nutrition



Environment



Prevention Programs



Preschool Programs





SERVICES

AFTER SCHOOL PROGRAMS

IN-CLASS WORKSHOPS

EARLY EDUCATION

SCIENTIFIC SHOWS

SCIENTIFIC STATIONS

A "NUTTY" SOLUTION FOR:

SPECIAL EVENTS

AWARENESS CAMPAIGNS

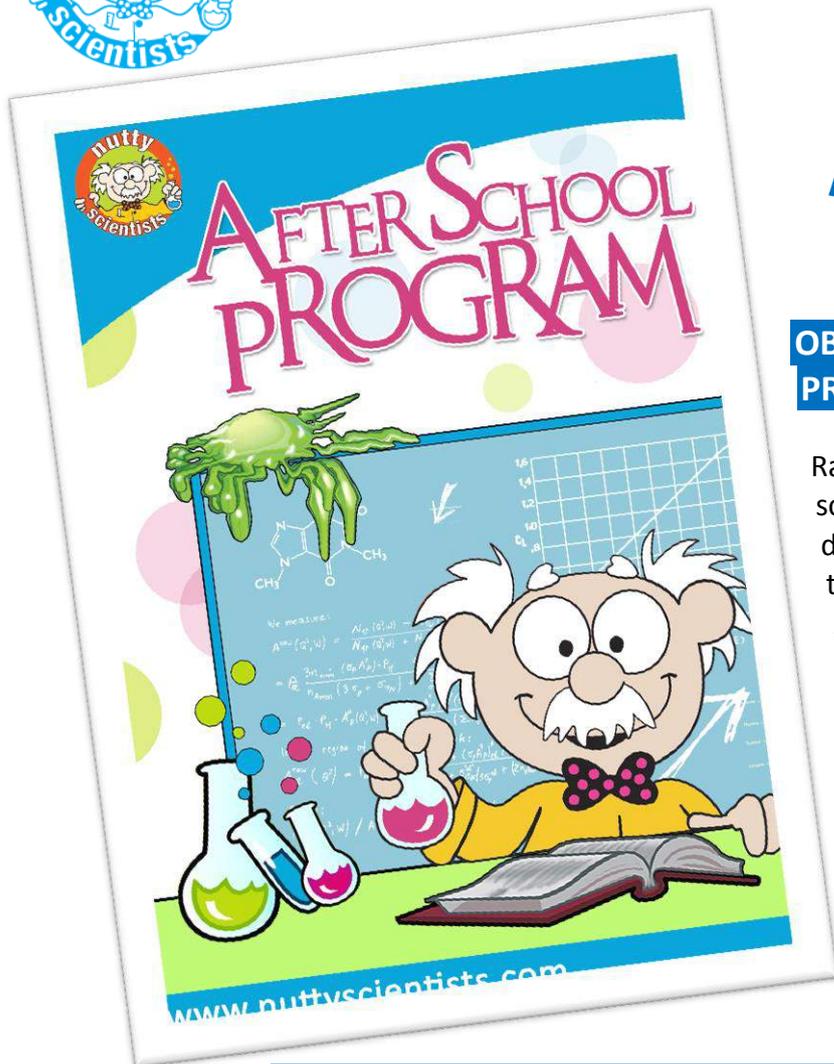
CLASS PARTIES

IN-SCHOOL FIELD TRIPS

FAMILY NIGHTS

FUNDRAISERS

NUTTY SCIENTISTS OFFERS BOTH PARENT PAID AND SCHOOL FUNDED PROGRAMS AND SHOWS.



AFTER SCHOOL PROGRAMS

OBJECTIVES OF THE AFTER SCHOOL PROGRAM

Raise children's interest in the world of science through experimentation and direct observation of everything around them.

To do this, we will work with our unique methodology, which combines experimentation with participatory and creative techniques, ensuring success and fun for children.

Nutty Scientists aims to stimulate critical attitudes through questioning, as well as encouraging observation and experimentation.

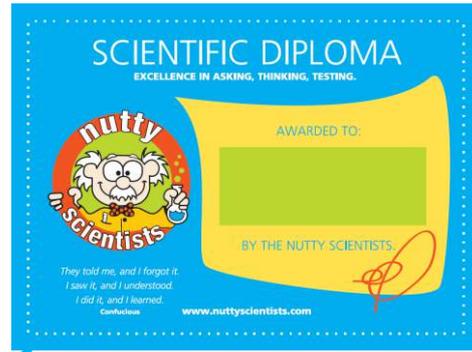
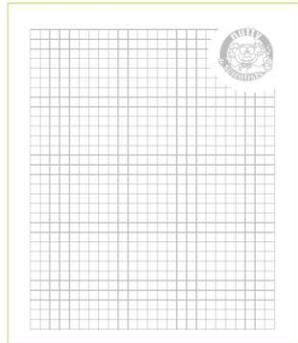
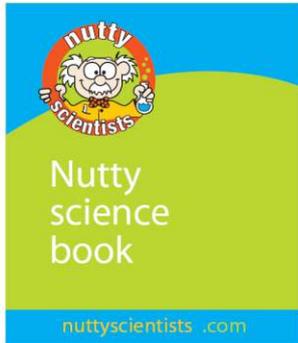
PROGRAM ALIGNED TO THE NEXT GENERATION SCIENCE STANDARDS

Our Curriculum is aligned to the Next Generation Science Standards to enhance the cohesiveness of our students' science education. We understand the importance of having fluidity between what is learned in the classroom on a daily basis and what children experience through our engaging program.





Nuttyscientists Diploma



Nuttyscientists notebook of After School Activities

HOW WE WORK



CHARACTERISTICS:

1. Perfectly planned programs.
2. Each week one hour of activity that involves an explanation, an experiment and a different hands-on activity.
3. Instructors trained by our organization.
4. We work in normal classrooms, as Nutty Scientists provides all materials needed to carry out the activity.
5. Club Nutty Scientists (notebook, pen, diplomas).
6. Open house events.
7. Impact Studies: Regular reports to parents as well as a final report.



IN-CLASS WORKSHOPS

The **Nutty Scientists** Program aims the following objectives:

- Boosting interest in Science, environment, nutrition, astronomy and health prevention
- Strengthening the knowledge of students about the environment around them.
- Showing them how learning can be useful and fun.
- Increasing participation, communication, and integration within the classroom.
- To improve the academic performance of the participating students.



To achieve these goals the Program is divided into cycles of activity by levels, so that at each level of education has a working curriculum appropriate to the age and knowledge of the student.

Level I	“Young Genius”	Preschool Age (3-5 years old)
Level II	“Discover”	Kindergarten to 1 st Grade
Level III	“Explorer”	2 st to 3 nd Grade
Level IV	“Expert”	4 th to 5 th Grade
Level V	“Advanced Investigator”	6 th to 8 th Grade

The activities will be in a classroom format and will last approximately 45-60 minutes.





EARLY EDUCATION PROGRAMS

Level I

“Young Genius”

Preschool (3-6 years)

The activities are performed in classroom format and last about 30-40 minutes. We keep the activities moving and use lots of kinetics to reinforce valuable scientific terms. These sessions are best when combined with our unique mixture of shows, art, and lots of Nutty Science.

The objective is to:

- Encourage interest in Science.
- Reinforce the students’ knowledge of the environment that surrounds them.
- Show them that knowledge can be useful and a lot of fun.
- Increase participation, communication, and integration in the classroom.
- Improve the participating students’ academic results.

Below you will find the a few sample of activities based on the themes Nutty Scientists works with.

SCIENCE PROGRAM

Workshop 1 Know Your Senses

Workshop 2 Crazy Bubbles

FUN ENVIRONMENT

Workshop 1 Ecology, the Miracle of Nature

Workshop 2 Water Planet

PROFFESOR NUTRITION

Workshop Healthy Breakfast

FUN ASTRONOMY

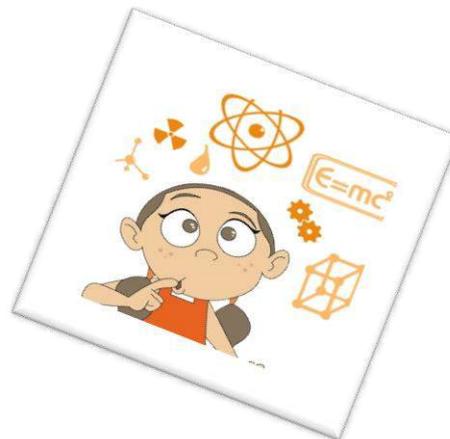
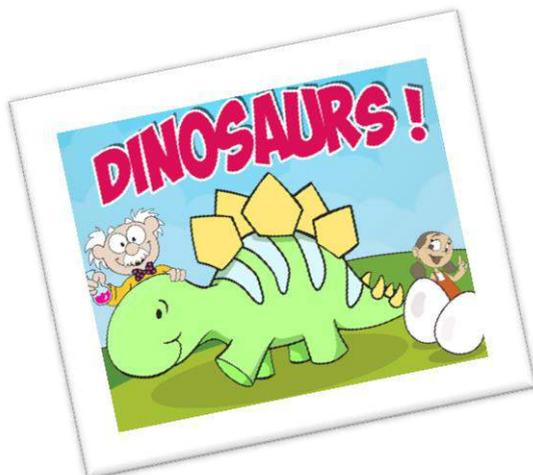
Workshop 1 Mr. Sun, Mrs. Moon

Workshop 2 Space Mission

HEALTH AND SAFETY

Workshop 1 Valuable Toothpaste

Workshop 2 Aroma Factory





SCIENTIFIC SHOWS

Nutty Scientists has numerous shows to meet almost any need and these are very entertaining for ages 3 – 100. We have special holiday shows for Halloween, Christmas and even Earth Day so do not hesitate to ask.



Nutty Scientists
presents...

THE CASTAWAY

The show will awaken the audience's curiosity and imagination with experiments, outrageous jokes and inventions, and our nutty scientists.

Our scientists have come to the children just after escaping from an island where they were shipwrecked.

Life on the island was replete with challenges and dangers like pirates and hostile tribes. Our scientists managed to overcome them all thanks to their incredible-spectacular-fun, and sometimes absurd experiments.

On the island they met not only with the natural problems of finding food, water, and company... but also it turns out that they had to face the Guri-Guri Indians and their witch.

The show will be performed by professional actors trained by **Nutty Scientists**.



Nutty Scientists
presents...

SPACE MISSION

After being entrusted with a high security space mission, the nutty scientists of **Nutty Scientists** are diverted from their course for mysterious reasons. Upon arriving at an unknown planet, they decide to explore using sophisticated techniques which only they can carry out with their craziness.

Will they manage to survive without problems? Will they encounter unexpected risks... or will they create them themselves? With the educational show "Space Mission," children will learn the peculiarities of hydrophobic materials, they will create artificial snow, wind shots with Martian weapons, etc... all livened up with a lot of humor and fun.



Nutty Scientists
presents...



ICE AGE

In Ice Age, two nutty scientists from Nutty Scientists will guide the children through the fearful secret forest of the Wizard Merlin.

With their scientific experiments they will overcome all the tests Merlin puts them to with his magic so that they can cross the forest. The children will learn the fundamentals of the most important scientific disciplines, as well as discovering its many uses.

The activities that will be performed in the Ice Age include producing shadowy mists in a scientific way, smoke signals with carbonic ice, making a foam fountain, making soap bubbles float...

With an entertaining journey through various scientific experiments, in the Ice Age Nutty Scientists teaches children about different states of matter, pressure, density, weight...with a new and surprising perspective that will awaken their curiosity for the Sciences. We can even do this show as a FROZEN inspired event.

Nutty Scientists
presents...

20,000 LEAGUES OF FUN READING

OBJECTIVES OF THE ACTIVITY

- Introduce the children to Jules Verne.
- Make the children understand that Jules Verne is a science fiction author and that not all of his ideas are realistic.
- Introduce the children to these ideas of Jules Verne:
 - ✓ Using electric energy as a source of light.
 - ✓ Applying electric energy to transportation.
- Discover how electric energy works.
- Inspire reading.



Traveling with Jules Verne's original inventions, **Nutty Scientists** imparts to children the fun and surprises that hide in the pages of their books. Without realizing it, the children's innate curiosity submerges them in the fundamentals of science and excitement from the adventures they read.



THE BIG MESSY SCIENCE DEMO

This show is really more of a huge science demonstration. Must be outside in an open area. We will surprise the kids by first doing the normal versions of our most exciting experiments and then surprising them with something really special. WE GO NUTTY, MESSY AND GO BIG!!! Some of these exciting experiments involve seeing Elephant Toothpaste explode into the air, witnessing several Mentos and Diet Coke bottles explode at one time and so much more.. Definitely gives the kids something to talk about. Shoot up H₂O Rockets.. how much fun!!! Great for ALL AGES!!! The real WOW of Science! (This show is for outside only. If weather is bad then we will substitute a *less messy but still fun* demo on Chemical Reactions.)



OTHER SHOWS (COMING SOON...)



SUPERHEROS FOR SCIENCE

Nutty Scientists™ will introduce the kids to our newest group of superheroes "The Superhero Squad". We will use the stories of these Amazing Young Scientists to awaken the curiosity and imagination of children through their participation in fun activities based on strong educational content. Listen to stories about "Cosmic Kid", "Aqua Boy", "Eco Robot" or "Healthy Flavia". Lots of science and action during this amazing adventure.. (Indoors or outdoors)

The Science of Seuss

Scientists 1 and Scientists 2 are up to no good in this story like adventure.. We take the pages from some of the most popular Dr. Seuss Stories and make them come to life.. This can be done in a huge show or workshop format. Find out how an egg can hold an elephant, help Horton get ahold of that Lazy Maisie, Make exploding toothpaste for Horton who has been stuck in the tree and so much more.. With these two running wild who knows what may happen..



Don't see what you're looking for? Do not hesitate to ask. We have over 120 different programs and topics so we can come up with something that meets your needs. We have done activities tied to many themes and we can even do other things as add-ons (i.e. make ice-cream, make edible bugs, exploding elephant toothpaste, slime, egg races, etc..). We can come in and also do labs with the kids "Observing like a Scientists", "Density Lab", "Wiggly World of Worms", "Chemical Reactions", "Playing with Matter" We have over 120 topics to choose from. So if you don't see what you're looking for do not hesitate to ask. We can come up with something that meets your needs.

MORE SHOWS BEING DEVELOPED EACH YEAR!



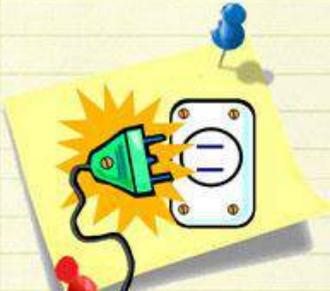
SCIENTIFIC STATIONS

Composed of 4 laboratories, it will make available to children the possibility not only of experiencing but also of doing incredible scientific experiments which they will have fun doing. While entertaining, it will awaken in them a curiosity for a subject sometimes “feared” by students that can, through this activity, become a favorite part of their education.

EXAMPLES OF POSSIBLE EXPERIMENTS FOR THE STATIONS:

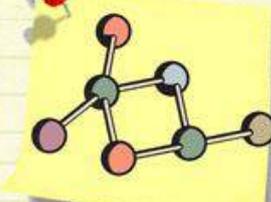
Scientific Stations

LABORATORY 1: CHEMISTRY



Activities will be performed that will bring children to understand what a chemical reaction is. The activities to be performed will explain what polymers, monomers, simple mixtures, and finally, chemical reactions are.

LABORATORY 2: PHYSICS



Activities will be done that will bring children to understand the difference between the density, volume, and mass of different materials.

LABORATORY 3: ENVIRONMENT



Water: Activities will be done in which children will understand the importance of water for our day to day lives. They will discover different places where it can be found and the consequences of using it improperly.

LABORATORY 4: ELECTRICITY

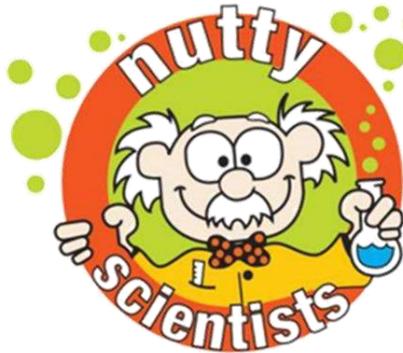


Activities related to electricity will be carried out. They will explain the conductivity of electricity through different bodies. We will go deeper into the characteristics of static electricity.

For 1 hour, 4 different tables will provide 15-minute activities to 15-20 children at a time. At the end of an hour, each child will have gone through all the laboratories and done experiments in physics, chemistry, electricity... (you can also choose other themes such as healthy eating, recycling, astronomy...)



Come **LEARN** with Us!



**NUTTY SCIENTISTS
OF SOUTHEAST MICHIGAN**

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**"THEY TOLD ME, AND I FORGOT IT.
I SAW IT, AND I UNDERSTOOD.
I DID IT, AND I LEARNED."**
CONFUCIUS

EXCELLENCE IN ASKING, THINKING, TESTING.

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